

## Active Recombinant Rat Cd274 protein, His-tagged

**Cat. No.** Cd274-562R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Rat Cd274 Protein (NP_001178883.1, 1-238aa), was expressed in HEK293 with C-terminal His tag.   |
| <b>Species</b>          | Rat   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | 1-238 aa  |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA. |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA. Immobilized Rat PD-L1 His at 2 µg/ml (100 µl/well) can bind Rat PD-1 hFc, the EC50 of Rat PD-1 hFc is 15-50ng/mL.  |
| <b>Molecular Mass</b>   | The recombinant rat CD274 comprises 232 amino acids and predicts a molecular mass of 26.5 kDa. The apparent molecular mass of the recombinant protein is approximately 50.7 kDa in SDS-PAGE under reducing conditions.  |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method  |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** Cd274 CD274 molecule [ *Rattus norvegicus* ]

**Official Symbol** Cd274

**Synonyms** CD274; CD274 molecule; programmed cell death 1 ligand 1; Pdcd1lg1; RGD1566211;

**Gene ID** 499342

**mRNA Refseq** NM\_001191954

**Protein Refseq** NP\_001178883

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA